Sequence Listing

<110> Chen, Yvonne May-Yee
Cochran, Andrea G.
Lowman, Henry B.
Skelton, Nicholas J.

<120> INSULIN-LIKE GROWTH FACTOR AGONIST MOLECULES

<130> P1071P2C2

<141> 2000-11-27

<150> US 09/337,227
<151> 1999-06-22

<150> US 09/052,888
<151> 1998-03-31

<150> US 08/825,852
<151> 1997-04-04

<160> 50

<210> 1
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<220>
<221> Xaa
<222> 1-4, 6-7, 9, 11-12, 15-18
<223> Unknown amino acid

<400> 1
Xaa Xaa Xaa Xaa Cys Xaa Xaa Gly Xaa Leu Xaa Xaa Leu Cys Xaa
1 5 10 15

Xaa Xaa Xaa

<210> 2
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 2
Glu Ala Arg Val Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Lys Tyr Phe

<210> 3
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<220>
<221> Xaa
<222> 2-3, 5, 7, 11-14
<223> Unknown amino acid

<400> 3
Cys Xaa Xaa Gly Xaa Leu Xaa Trp Leu Cys Xaa Xaa Xaa Xaa
1 5 10

<210> 4
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 4
Cys Arg Ala Gly Ala Leu Gln Trp Leu Cys Glu Lys Tyr Phe
1 5 10

<210> 5
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 5
Cys Arg Ala Gly Arg Leu Gln Trp Leu Cys Glu Lys Tyr Phe
1 5 10

<210> 6
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 6
Cys Arg Ala Gly Asn Leu Gln Trp Leu Cys Glu Lys Tyr Phe
1 5 10

<210> 7
<211> 14

```
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<220>
<221> Xaa
<222> 6
<223> Xaa represents Nle

<400> 7
 Cys Arg Ala Gly Pro Xaa Gln Trp Leu Cys Glu Lys Tyr Phe
   1               5                   10

<210> 8
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<220>
<221> Xaa
<222> 9
<223> Xaa represents Nle

<400> 8
 Cys Arg Ala Gly Pro Leu Gln Trp Xaa Cys Glu Lys Tyr Phe
   1               5                   10

<210> 9
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 9
 Cys Arg Ala Gly Pro Leu Gln Arg Leu Cys Glu Lys Tyr Phe
   1               5                   10

<210> 10
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<220>
<221> Xaa
<222> 8
<223> Xaa represents Nal(1)
```

<400> 10
Cys Arg Ala Gly Pro Leu Gln Xaa Leu Cys Glu Lys Tyr Phe
1 5 10

<210> 11
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 11
Cys Arg Ala Gly Pro Leu Gln His Leu Cys Glu Lys Tyr Phe
1 5 10

<210> 12
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<220>
<221> Xaa
<222> 1-4, 16, 19
<223> Unknown amino acid

<400> 12
Xaa Xaa Xaa Xaa Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Xaa Tyr Phe Xaa Thr Tyr
20

<210> 13
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 13
Ser Glu Val Gly Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Lys Tyr Phe Ser Thr Tyr
20

<210> 14
<211> 21
<212> PRT
<213> Artificial sequence

<220>

<223> Sequence is synthesized

<400> 14
Ser Glu Val Gly Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Lys Tyr Phe Ala Thr Tyr
20

<210> 15
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 15
Ser Glu Val Gly Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Lys Tyr Phe Gln Thr Tyr
20

<210> 16
<211> 22
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 16
Ser Glu Val Gly Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Lys Tyr Phe Gln Thr Tyr Thr
20

<210> 17
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 17
Ser Glu Val Gly Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Lys Tyr Phe Asp Thr Tyr
20

<210> 18
<211> 21
<212> PRT

<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 18
Ser Glu Val Gly Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Lys Tyr Phe Glu Thr Tyr
20

<210> 19
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 19
Ser Glu Val Gly Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Lys Tyr Phe Lys Thr Tyr
20

<210> 20
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 20
Glu Ala Arg Val Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Lys Tyr Phe Ser Thr Tyr
20

<210> 21
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 21
Gly Gln Gln Ser Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Lys Tyr Phe Ser Thr Tyr
20

<210> 22
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 22
Ala Ser Ser Met Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Lys Tyr Phe Ser Thr Tyr
20

<210> 23
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 23
Gln Gly Pro Asp Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Lys Tyr Phe Ser Thr Tyr
20

<210> 24
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 24
Gln Ala Ser Glu Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Lys Tyr Phe Ser Thr Tyr
20

<210> 25
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 25
Ala Glu Thr Leu Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Lys Tyr Phe Ser Thr Tyr
20

<210> 26
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 26
Asn Ser Leu Leu Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Lys Tyr Phe Ser Thr Tyr
20

<210> 27
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 27
Ala Gln Trp Val Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Lys Tyr Phe Ser Thr Tyr
20

<210> 28
<211> 21
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 28
Gly Gln Gln Ser Cys Ala Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

His Tyr Phe Ser Thr Tyr
20

<210> 29
<211> 23
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 29
Gly Gln Gln Ser Cys Ala Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

His Tyr Phe Ser Thr Tyr Gly Arg
20

<210> 30
<211> 74
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 30
Gly Gly Gly Ser Gly Gly Ala Gln His Asp Glu Ala Val Asp Asn
1 5 10 15

Lys Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu His
20 25 30

Leu Pro Asn Leu Asn Glu Glu Gln Arg Asn Ala Phe Ile Gln Ser
35 40 45

Leu Lys Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
50 55 60

Lys Lys Leu Asn Asp Ala Gln Ala Pro Asn Val Asp Met Asn
65 70

<210> 31
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<220>
<221> Xaa
<222> 1, 4-7
<223> Unknown amino acid

<400> 31
Xaa Leu Ala Xaa Xaa Xaa Xaa
1 5

<210> 32
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<220>

<221> Xaa
<222> 1-7, 11, 14-17, 19
<223> Unknown amino acid

<400> 32
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Pro Leu Glu Xaa Leu Ala Xaa Xaa
1 5 10 15

Xaa Xaa Glu Xaa

<210> 33
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<220>
<221> Xaa
<222> 1-3, 7, 10-13
<223> Unknown amino acid

<400> 33
Xaa Xaa Xaa Pro Leu Glu Xaa Leu Ala Xaa Xaa Xaa Xaa Glu Gly
1 5 10 15

<210> 34
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 34
Arg Ala Gly Pro Leu Glu Trp Leu Ala Glu Lys Tyr Glu Gly
1 5 10

<210> 35
<211> 12
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 35
Arg Pro Leu Glu Trp Leu Ala Glu Lys Tyr Phe Glu
1 5 10

<210> 36
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 36
Arg Ala Gly Pro Leu Glu Trp Leu Ala Glu Lys Tyr Phe Glu
1 5 10

<210> 37
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 37
Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu Lys Tyr Phe
1 5 10

<210> 38
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 38
Cys Arg Ala Ala Pro Leu Gln Trp Leu Cys Glu Lys Tyr Phe
1 5 10

<210> 39
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 39
Cys Arg Ala Gly Pro Arg Gln Trp Leu Cys Glu Lys Tyr Phe
1 5 10

<210> 40
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 40
Cys Arg Ala Gly Pro Leu Gln Trp Arg Cys Glu Lys Tyr Phe
1 5 10

<210> 41
<211> 15

<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 41
Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu Lys Tyr Phe Gly
1 5 10 15

<210> 42
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 42
Cys Arg Ala Gly Pro Leu Gln Glu Leu Cys Glu Lys Tyr Ala Glu
1 5 10 15

<210> 43
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 43
Leu Glu Trp Leu Ala Glu Lys Tyr Glu Gly
1 5 10

<210> 44
<211> 11
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 44
Pro Leu Glu Trp Leu Ala Glu Lys Tyr Glu Gly
1 5 10

<210> 45
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 45
Leu Glu Trp Leu Ala Glu Lys Tyr Phe Glu
1 5 10

<210> 46
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 46
Gly Gln Gln Ser
1

<210> 47
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 47
Ser Glu Val Gly
1

<210> 48
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 48
Ser Glu Met Val
1

<210> 49
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 49
Glu Ala Arg Val
1

<210> 50
<211> 19
<212> PRT
<213> Artificial sequence

<220>
<223> Sequence is synthesized

<400> 50

Ser Glu Val Gly Cys Arg Ala Gly Pro Leu Gln Trp Leu Cys Glu
1 5 10 15

Lys Tyr Phe Gly